AUTODOC CLUB

How to change fuel filter on **Mercedes W211** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for: MERCEDES-BENZ SPRINTER 3,5-t Bus (906) 318 CDI 3.0 (906.731, 906.733, 906.735), MERCEDES-BENZ SPRINTER 3,5-t Bus (906) 319 CDI / BlueTEC 3.0 (906.731, 906.733, 906.735), MERCEDES-BENZ SPRINTER 3,5-t Box (906) 319 CDI / BlueTEC 3.0 4x4 (906.631, 906.633, 906.635), MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.208), MERCEDES-BENZ R-Class (W251, V251) R 350 CDI 4-matic (251.023, 251.123), MERCEDES-BENZ C-Class Saloon (W204) C 300 CDI 4-matic (204.092), MERCEDES-BENZ VITO / MIXTO Box (W639) 110 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 113 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 116 CDI 2.2, MERCEDES-BENZ VITO / MIXTO Box (W639) 122 CDI 3.0, MERCEDES-BENZ VITO Bus (W639) 110 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 113 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 116 CDI 2.2, MERCEDES-BENZ VITO Bus (W639) 122 CDI 3.0, MERCEDES-BENZ VIANO (W639) CDI 2.0 (639.811, 639.813, 639.815), (+ 209)

The steps may slightly vary depending on the car design.

REPLACEMENT: FUEL FILTER – MERCEDES W211. LIST OF THE TOOLS YOU'LL NEED:

- All-purpose cleaning spray
- Torx bit T25
- Drive socket # 5.5
- Drive socket # 7
- Drive socket # 10
- HEX bit No.H5
- Ratchet wrench
- Round-nose pliers
- Bulb hand fuel pump
- Fender cover

BUY TOOLS

Replacement: fuel filter – Mercedes W211. AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – Mercedes W211 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Unscrew the engine cover fastener. Use Torx T25. Use a ratchet wrench.

4 Unscrew the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.

5 Remove the back section of the engine cover.

AUTODOC recommends:

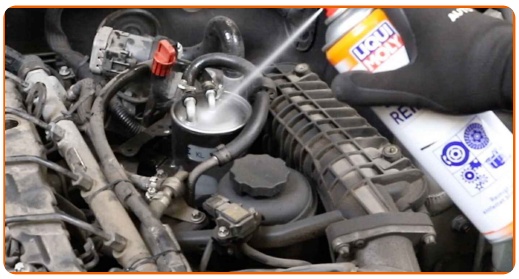
- Replacement: fuel filter – Mercedes W211. Do not use excessive force when removing the part as this may damage it.

6 Remove the engine cover.

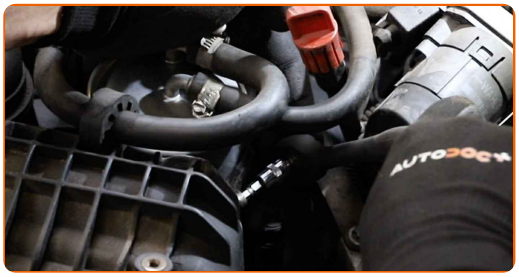
AUTODOC recommends:

- Replacement: fuel filter – Mercedes W211. To avoid damaging the part when removing it, do not use excessive force.

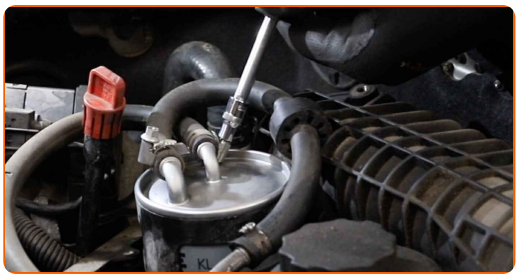
7 Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



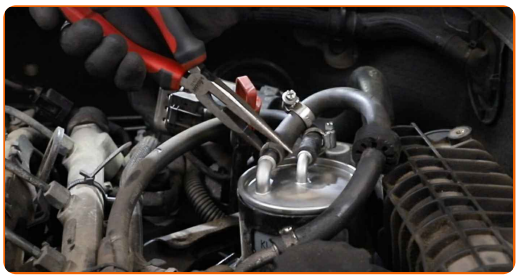
8 Loosen the fuel filter mounting. Use HEX No.H5. Use a ratchet wrench.



9 Loosen the fastening clamps of the fuel filter pipes. Use a drive socket #5.5. Use a drive socket #7. Use a ratchet wrench.



10 Detach the tubes from the fuel filter. Use round-nose pliers.



Replacement: fuel filter – Mercedes W211. Tip:

- Be careful! Fuel may leak from the filter housing and hoses.

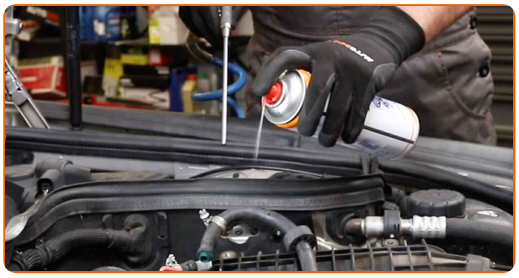
11 Remove the fuel filter.

12 Install a new fuel filter.

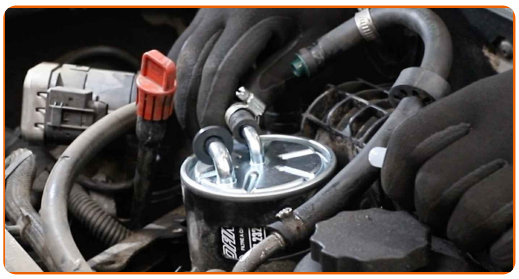
Replacement: fuel filter – Mercedes W211. Tip from AUTODOC:

- Make sure that the fuel filter is positioned correctly. Consider the fuel flow direction mark.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- Mercedes W211 – It's important to only use high-quality filters.

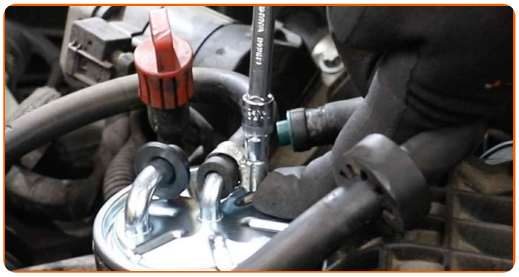
13 Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



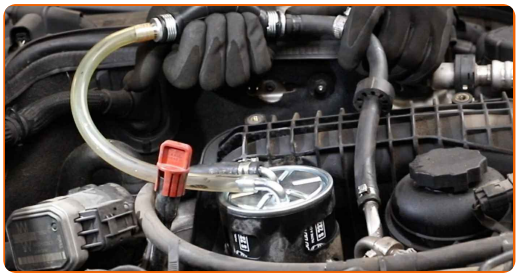
14 Attach the pipe to the fuel filter.



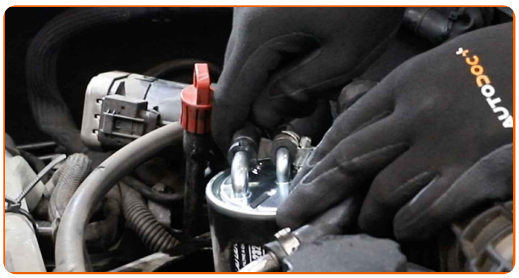
15 Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #5.5. Use a ratchet wrench.



16 Press the fuel primer pump several times until it gets hard. Use a bulb hand fuel pump.



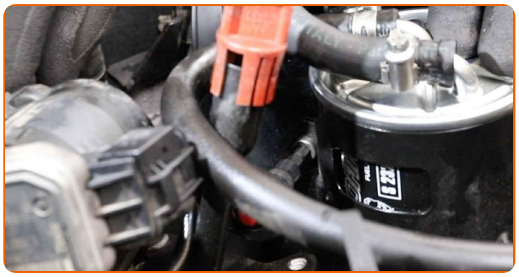
17 Attach the pipe to the fuel filter.



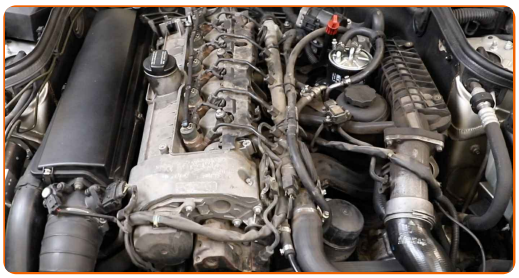
18 Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #7. Use a ratchet wrench.

19 Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.

20 Screw in the fuel filter mounting bracket. Use HEX No.H5. Use a ratchet wrench.



21 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



22 Shut off the engine.

23 Install the engine cover and secure it.

AUTODOC recommends:

- Replacement: fuel filter – Mercedes W211. Do not use excessive force during installation. This may damage the part.

24 Screw in the engine cover fasteners. Use Torx T25. Use a ratchet wrench.

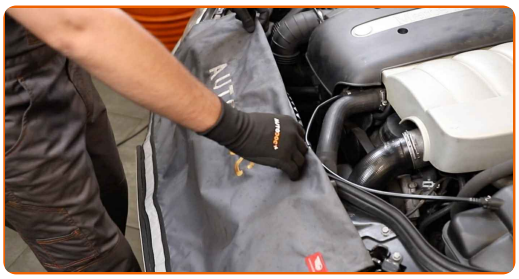
25 Put the back section of the engine cover back in place.

AUTODOC recommends:

- Replacement: fuel filter – Mercedes W211. To avoid damaging the part during installation, do not use excessive force.

26 Screw in the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.

27 Remove the fender protection cover.



28 Close the hood.

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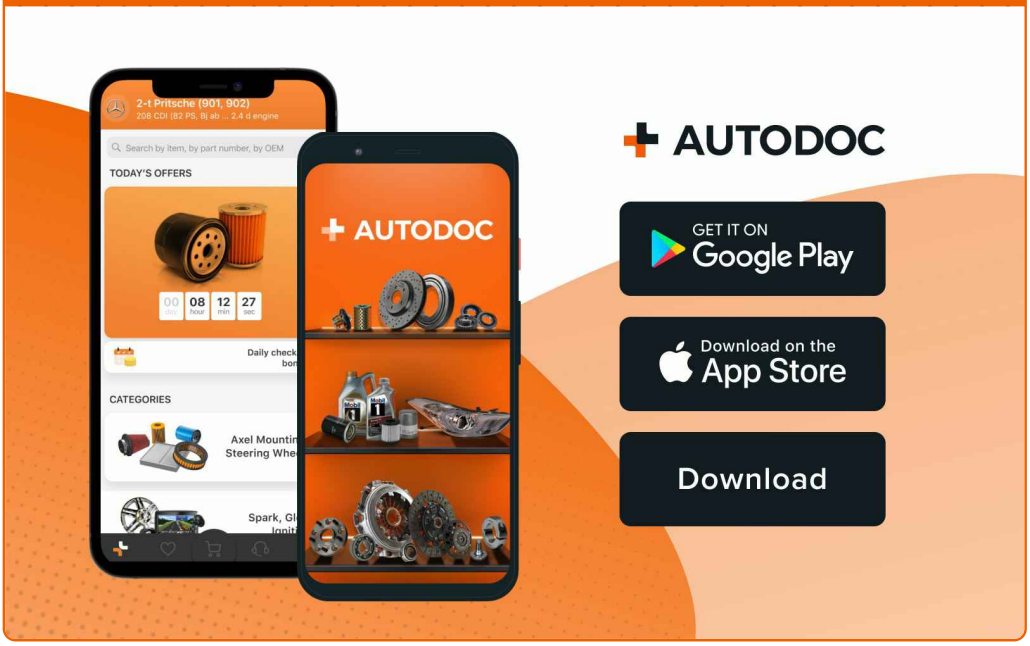

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